Physica D 36 (1989) 361–362
North-Holland, Amsterdam



# INDEX OF AUTHORS AND PAPERS TO VOLUME 36

Aliev, R.R., see Panfilov, A.V. 36 (1989) 181
Antoranz, J.C., see Rubio, M.A. 36 (1989) 92
Arkadiev, V.A., Pogrebkov, A.K. and Polivanov, M.C., Inverse scattering transform method and soliton solutions for Davey–Stewartson II equation 36 (1989) 189

Badii, R., see Paoli, P. 36 (1989) 263
Biktashev, V.N., Evolution of twist of an autowave vortex 36 (1989) 167
Blümel, R. and Smilansky, U., A simple model for chaotic scattering. II. Quantum mechanical theory 36 (1989) 111

Cary, J.R. and Skodje, R.T., Phase change between separatrix crossings 36 (1989) 287

Davidson, A. and Pedersen, N.F., Cell mapping techniques applied to Josephson junction systems 36 (1989) 173
Davis, S.H., see Metzener, Ph. 36 (1989) 235
De la Torre, M., see Rubio, M.A. 36 (1989) 92
De Swart, H.E., Analysis of a six-component atmospheric spectral model: chaos, predictability and vacillation 36 (1989) 222
Delisle, C., see Marriott, C. 36 (1989) 198

Gerhardt, M. and Schuster, H., A cellular automaton describing the formation of spatially ordered structures in chemical systems 36 (1989) 209
Gorman, M., see Widmann, P.J. 36 (1989) 157
Greene, J.M. and Kim, J.-S., Introduction of a metric tensor into linearized evolution equations 36 (1989) 83

Ikeda, K., see Mizuno, M. 36 (1989) 327

Kim, J.-S., see Greene, J.M. 36 (1989) 83
Knauf, A., On soft billiard systems 36 (1989) 259
Kook, H.-T. and Meiss, J.D., Application of Newton's method to Lagrangian mappings 36 (1989) 317

MacKay, R.S., ERRATUM to Physica D 33 (1989) 240–265, Exact results for an approximate renormalisation scheme and some predictions for the breakup of invariant tori 36 (1989) 358
MacKay, R.S., A criterion for non-existence of invariant tori for Hamiltonian systems 36 (1989) 64
Marcus, C.M., see Strogatz, S.H. 36 (1989) 23
Marriott, C. and Delisle, C., Effects of discontinuities in the behavior of a delay differential equation 36 (1989) 198
Meiss, J.D., see Kook, H.-T. 36 (1989) 317

0167-2789/89/$03.50 © Elsevier Science Publishers B.V.
(North-Holland Physics Publishing Division)

Metzener, Ph. and Davis, S.H., An annulus model for time–space transitions in Bénard convection 36 (1989) 235
Mikaelian, K.O., Turbulent mixing generated by Rayleigh–Taylor and Richtmyer–Meshkov instabilities 36 (1989) 343
Mirollo, R.E., see Strogatz, S.H. 36 (1989) 23
Mizuno, M. and Ikeda, K., An unstable mode selection rule: frustrated optical instability due to competing boundary conditions 36 (1989) 327
Mushinsky, A.V., see Panfilov, A.V. 36 (1989) 181

Nusse, H.E. and Yorke, J.A., A procedure for finding numerical trajectories on chaotic saddles 36 (1989) 137

Panfilov, A.V., Aliev, R.R. and Mushinsky, A.V., An integral invariant for scroll rings in a reaction–diffusion system 36 (1989) 181
Paoli, P., Politi, A. and Badii, R., Long-range order in the scaling behaviour of hyperbolic dynamical systems 36 (1989) 263
Pedersen, N.F., see Davidson, A. 36 (1989) 173
Pismen, L.M., Phase dynamics in aligned coordinate frame 36 (1989) 1
Pogrebkov, A.K., see Arkadiev, V.A. 36 (1989) 189
Politi, A., see Paoli, P. 36 (1989) 263
Polivanov, M.C., see Arkadiev, V.A. 36 (1989) 189

Robbins, K.A., see Widmann, P.J. 36 (1989) 157
Rubio, M.A., De la Torre, M. and Antoranz, J.C., Intermittencies and power-law low-frequency divergencies in a nonlinear oscillator 36 (1989) 92

Schuster, H., see Gerhardt, M. 36 (1989) 209
Skodje, R.T., see Cary, J.R. 36 (1989) 287
Smilansky, U., see Blümel, R. 36 (1989) 111
Strogatz, S.H., Marcus, C.M., Westervelt, R.M. and Mirollo, R.E., Collective dynamics of coupled oscillators with random pinning 36 (1989) 23

Urias, J., One-dimensional cellular automata as arithmetic recursions 36 (1989) 109
Uzer, T., Phase-integral quantization of accidentally and intrinsically degenerate nonlinear systems 36 (1989) 51

Westervelt, R.M., see Strogatz, S.H. 36 (1989) 23
Widmann, P.J., Gorman, M. and Robbins, K.A., Nonlinear dynamics of a convection loop II. Chaos in laminar and turbulent flows 36 (1989) 157

Yorke, J.A., see Nusse, H.E. 36 (1989) 137